

What is claimed is:

1. A viewfinder display apparatus which displays an optical image and which can display a plurality of focus detection regions, comprising:

an eyepiece lens unit;

an illumination unit which irradiates illumination light; and

a member on which a plurality of region display sections arranged in a viewfinder optical path to respectively, correspond to the focus detection regions,

wherein each of the region display sections includes an outer frame which partially transmits light from an object to display edges of the focus detection regions in the viewfinder field and reflecting region in which reflecting surface which reflects illumination light from the illumination unit to guide the reflected light to the eyepiece lens unit are formed.

2. A viewfinder display apparatus according to claim 1, wherein

the outer frame comprises a plurality of prisms.

3. A viewfinder display apparatus according to claim 1, further comprising

a mirror unit which is arranged above the member at positions being adjacent to the eyepiece lens unit and which

guides light from an object to the eyepiece lens unit, and wherein

the illumination unit is arranged above the eyepiece lens unit.

4. A viewfinder display apparatus according to claim 1, wherein

the member is a focusing screen.

5. A viewfinder display apparatus according to claim 1, wherein

the reflecting surface is subjected to a reflective deposition process.

6. A viewfinder display apparatus according to claim 1, wherein,

the reflecting surface is smaller than region surrounded by the outer frames.

7. A viewfinder display apparatus according to claim 1, wherein

the reflecting surface is formed to have circular shape, and the diameter of the reflecting surface is smaller than 0.2 mm.

8. A viewfinder display apparatus according to claim 1, wherein

the reflecting surface is a set of microscopic reflecting surfaces.

9. A viewfinder display apparatus according to claim 1, wherein

the illumination unit comprises a plurality of light-emitting portions corresponding to each of the region display sections to illuminate the selected region display section.

10. A viewfinder display apparatus according to claim 1, wherein

the reflecting surface is arranged in the outer frame.

11. A viewfinder display apparatus which displays an optical image and which can display a plurality of focus detection regions, comprising:

an eyepiece lens unit;

an illumination unit which irradiates illumination light; and

a member on which a plurality of region display sections arranged in a viewfinder optical path respectively, to correspond to the focus detection regions,

wherein each of the region display sections includes a reflecting region which is formed at portion of the region display section and which reflects illumination light from

the illumination unit to guide the reflected light to the eyepiece lens unit, and

the reflecting region is formed to have convex shape and includes a plurality of microscopic prisms each of which has an inclined surface at the distal end of the reflecting region.

12. A viewfinder display apparatus according to claim 11, wherein

the reflecting region is formed to have circular shape, and the diameter of the reflecting region is smaller than 0.2 mm.

13. A viewfinder display apparatus according to claim 11, wherein

the heights of the plurality of microscopic prisms are substantially equal to each other.

14. A viewfinder display apparatus according to claim 11, wherein

the member is a focusing screen, and

the reflecting region is positioned on the eyepiece lens unit side.

15. A viewfinder display apparatus according to claim 11, further comprising

a mirror unit which is arranged above the member at positions being adjacent to the eyepiece lens unit and which guides light from an object to the eyepiece lens unit, and wherein

the illumination unit is arranged above the eyepiece lens unit.

16. A camera comprising:

the viewfinder display apparatus according to claim 1;  
and

a mirror member which guides light from an object to the viewfinder display apparatus.